

CLAIMS

1. A photosensitive composition remover used for removal of an uncured photosensitive composition, which remover comprises 1 to 80 percent by mass of at least one type of aromatic hydrocarbon having 9 carbon atoms or more within the molecule.

2. A photosensitive composition remover as set forth in claim 1, wherein the aromatic hydrocarbon having 9 carbon atoms or more within the molecule is an alkylbenzene having a boiling point of 150 to 250°C.

3. A photosensitive composition remover as set forth in claim 1 or 2, having a composition selected from the group consisting of

a composition of 20 to 80 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 20 to 80 percent by mass of one or more aprotic polar solvent(s) when the remover consists essentially of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and one or more aprotic polar solvent(s);

a composition of 10 to 20 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 80 to 90 percent by mass of one or more other solvent(s) other than aprotic polar solvents when the remover consists essentially of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and one or more other solvent(s) other than aprotic polar solvents; and

a composition of 20 to 30 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule, 1 to 20 percent by mass of one or more aprotic polar solvent(s), and 55 to 70 percent by mass of one or more other solvent(s) other than aprotic polar solvents when the remover comprises one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule, one or more aprotic polar solvent(s), and one or more other solvent(s) other than

aprotic polar solvents.

4. A photosensitive composition remover as set forth in any one of claims 1 to 3, having a composition selected from the group consisting of

5 a composition of 20 to 40 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 60 to 80 percent by mass of one or more aprotic polar solvent(s) when the remover consists essentially of one or more aromatic
10 hydrocarbon(s) having 9 carbon atoms or more within the molecule and one or more aprotic polar solvent(s);

15 a composition of 10 to 20 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 80 to 90 percent by mass of one or more other solvent(s) other than aprotic polar solvents, wherein the remover comprises 30 to 60 percent by mass of propylene glycol monomethyl ether, when the remover consists essentially of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more
20 within the molecule and one or more other solvent(s) other than aprotic polar solvents; and

25 a composition of 20 to 30 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule, 3 to 20 percent by mass of one or more aprotic polar solvent(s), and 55 to 70 percent by mass of one or more other solvent(s) other than aprotic polar solvents, the aprotic polar solvent(s) being at least one selected from the group consisting of N,N-dimethylformamide and N,N-dimethylacetamide, and the other solvent(s) other than aprotic polar solvents being at least one selected from the group consisting of propylene glycol monomethyl ether acetate, cyclohexanone, methyl 3-methoxypropionate and ethyl 3-ethoxypropionate, when the remover comprises one or more aromatic
30 hydrocarbon(s) having 9 carbon atoms or more within the molecule, one or more aprotic polar solvent(s), and one or more other solvent(s) other than aprotic polar
35 solvents.

solvents.

5. A photosensitive composition remover as set forth in claim 1 or 2, comprising 20 to 40 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 60 to 80 percent by mass of one or more aprotic polar solvent(s).

6. A photosensitive composition remover as set forth in claim 1 or 2, comprising 10 to 20 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule and 80 to 90 percent by mass of one or more other solvent(s) other than aprotic polar solvents, wherein the remover comprises 30 to 60 percent by mass of propylene glycol monomethyl ether.

15 7. A photosensitive composition remover as set forth in claim 1 or 2, comprising 20 to 30 percent by mass of one or more aromatic hydrocarbon(s) having 9 carbon atoms or more within the molecule, 3 to 20 percent by mass of one or more aprotic polar solvent(s), and 55 to 70 percent by mass of one or more other solvent(s) other than aprotic polar solvents, wherein the aprotic polar solvent is at least one selected from the group consisting of N,N-dimethylformamide and N,N-dimethylacetamide, and the other solvent other than aprotic polar solvents is at least one selected from the group consisting of propylene glycol monomethyl ether acetate, cyclohexanone, methyl 3-methoxypropionate and ethyl 3-ethoxypropionate.

30 8. A photosensitive composition remover as set forth in any one of claims 3 to 5, wherein the aprotic polar solvent is at least one selected from the group consisting of chain amide compounds, cyclic amide compounds, sulfur compounds, and cyclic esters.

35 9. A photosensitive composition remover as set forth in any one of claims 3 to 5, wherein the aprotic polar solvent is at least one selected from the group consisting of formamide, N-methylformamide, N,N-

dimethylformamide, N-ethylformamide, N,N-diethylformamide, N,N-dimethylacetamide, tetramethylurea, N-methyl-2-pyrrolidone, N-methylimidazolidinone, dimethyl sulfoxide, sulfolane, and γ -butyrolactone.

5 10. A photosensitive composition remover as set forth in claim 6, wherein the other solvent other than aprotic polar solvents is at least one selected from the group consisting of glycol ethers, glycol ether carboxylates, carboxylic acid esters, hydroxycarboxylic acid esters, ketones, alcohols, alkoxy carboxylic acids esters, and cyclic ethers.

10 11. A photosensitive composition remover as set forth in any one of claims 1 to 10, used for removal of a photosensitive composition containing a pigment.

15 12. A photosensitive composition remover as set forth in any one of claims 1 to 10, used for removal of an acrylic-type photosensitive composition containing a pigment.